



PATENT APPLICATION
Docket No. 9898-321
Client No. SS-18146-US

IFW

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Ki-Yeon Park, et al. Conf. No. 8248
Serial No. 10/713,577 Examiner: Not yet assigned
Filed: November 12, 2003 Art Unit: 2818
For: CAPACITOR OF SEMICONDUCTOR MEMORY DEVICE THAT HAS
COMPOSITE $\text{Al}_2\text{O}_3/\text{HfO}_2$ DIELECTRIC LAYER AND METHOD OF
MANUFACTURING THE SAME

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97 (b); or
(Within three months of filing national application; or date of entry of International application;
or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97 (c) together with either a:
☐ Statement under 37 CFR 1.97 (e), or
☐ a \$180 fee under 37 CFR 1.17 (p); or
(After mailing of first Office Action, but prior to Notice of Allowance or Final Office Action)
- ☐ under 37 CFR 1.97 (d) together with:
☐ Statement under 37 CFR 1.97 (e), and
☐ a \$180.00 fee set forth in 37 CFR 1.17 (p).

(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

☒ Applicant(s) submit herewith Form PTO 1449- Information Disclosure Citation together with copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

It is requested that the information disclosed herein be made of record in this application.

Any deficiency or overpayment should be charged or credited to deposit account number 13-1703. A duplicate copy of this sheet is enclosed.

Customer No. 20575

Respectfully submitted,
MARGER JOHNSON & McCOLLOM, P.C.

Hosoon Lee
Limited Recognition Under 37 CFR § 10.9(b)

MARGER JOHNSON & McCOLLOM, P.C.
1030 SW Morrison Street
Portland, OR 97205
503-222-3613

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
Date: August 27, 2004

Li Mei Vermilya



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INFORMATION DISCLOSURE CITATION
FORM PTO-1449 (Modified)

U.S. PATENT DOCUMENTS

<u>Exam</u> <u>Init</u>	<u>Ref</u>	<u>Document</u> <u>Number</u>	<u>Issue</u> <u>Date</u>	<u>Name</u>	<u>Class</u>	<u>Sub</u> <u>Class</u>
_____	_____	2002/0115252	Aug. 22, 02	Haukka et al.		

INFORMATION DISCLOSURE CITATION
FORM PTO-1449 (Modified)

FOREIGN PATENT DOCUMENTS

<u>Exam</u> <u>Init</u>	<u>Ref</u>	<u>Publication</u> <u>Number</u>	<u>Publication</u> <u>Date</u>	<u>Country</u>	<u>Name</u>
_____	_____	P2001-0082118	Aug. 29, 01	Korea	

OTHER DOCUMENTS

<u>Exam</u> <u>Init</u>	<u>Ref</u>	<u>Author, Title, Date, Pertinent Pages, Etc.)</u>
_____	_____	English Language Abstract of Korean Publication No: P2001-0082118

Examiner: _____

Date Considered: _____